

Data Sheet

Silicone Sponge

Data Sheet Type	Final
Material Reference	Silicone Sponge
Polymer	Silicone Silicone
Date Issued	07/09/25



Description

Closed Cell Silicone Sponge suitable for applications requiring avoidance of dust or water ingress up to IP65 standards. The material meets WRAS, FDA and Flammability standards including FAR 25/JAR 25/CS 25 Appendix F Part 1, (a)(1)(iv) and (a)(1)(v).

The material has excellent resistance to ozone, oxidation, UV, ionising radiation and weathering.

Specifications	Values	Test Methods
Brittle Point	-80 °C	ASTM D746
Compression Stress/Strain - 25%	6.4 PSI	ASTM D1056
Compression Stress/Strain - 40%	90 Kpa	BS EN ISO 3386 Part 1, 2
Density	250 Kg/m3	BS EN ISO 845
Elongation at Break	145 %	BS EN ISO 1798
Highest Recommended Working Temperature	200 °C	None
Lowest Recommended Working Temperature	-40 °C	None
Shore Hardness (Shore OO)	42 ° Shore	ASTM D2240
Tensile Strength	0.6 MPA	BS EN ISO 1798
Water Absorption	5 %	ASTM D1056

Purposes



Flame Retardant



Food Contact Suitability

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.